



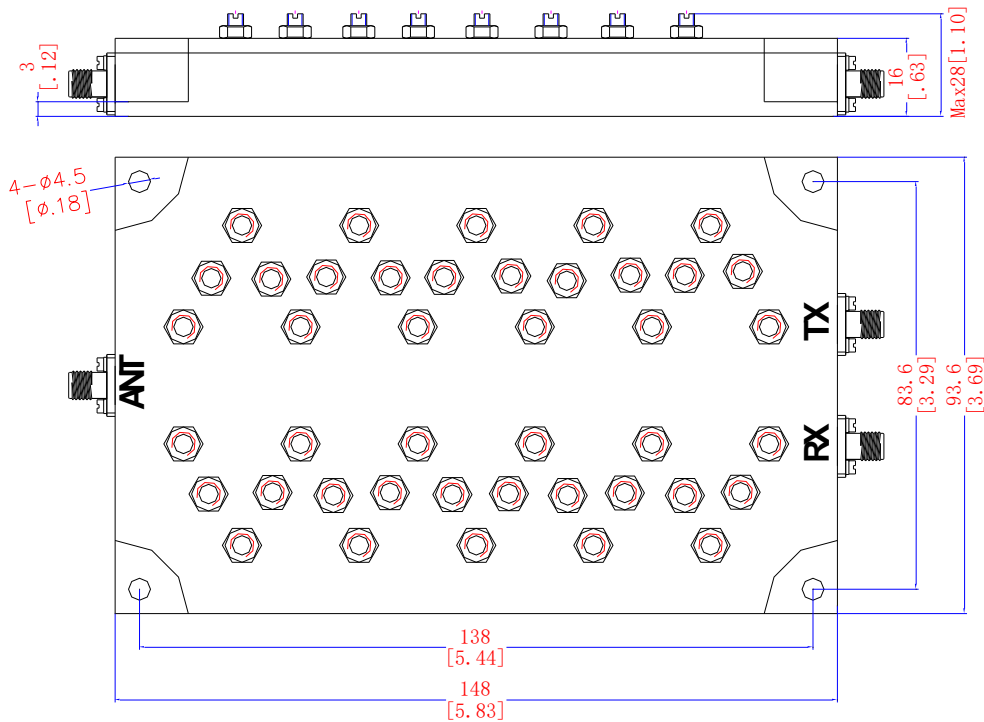
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**4895-5005 MHz / 6420-6530 MHz**  
**Cavity Duplexer**  
**Part Number: AE4950-6475DB5504**



Characteristics	Band 1 (RX)	Band 2 (TX)	Mechanical	
Passband:	4895-5005 MHz	6420-6530 MHz	Mounting Method:	0.18 Dia. Thru holes
Bandwidth:	110 MHz	110 MHz		
Passband Return Loss:	≥15 dB	≥15 dB	Connector Type:	SMA (F)
Passband Insertion Loss:	<2.0 dB	<2.0 dB	Dimensions:	5.83" x 3.69" x 1.10" 148 x 93.6 x 28 mm
Passband Ripple:	≤0.2 dB	≤0.2 dB		
Rejection:	>=50 dB @ 4875 MHz >=50 dB @ 5025 MHz	>=50 dB @ 6400 MHz >=50 dB @ 6550 MHz	Environmental	
Isolation (TX/RX)	≥ 80 dB			
Input / Output Impedance:	50 Ohms	50 Ohms	Operating Temp.:	-40 to +70 deg.C
Power Handling:	35 Watts	35 Watts	Storage Temp.:	-50 to +90 deg.C

**Outline Drawing:**



Tolerance: +/-0.01 inches [+/- 0.3mm] Angles:  
+/- 1 Deg.

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.